

STATE OF CALIFORNIA

Energy Resources Conservation
And Development Commission

2013 Building Energy Efficiency Standards,
California Code of Regulations, Title 24,
Parts 1 and 6

Docket No. 12-BSTD-01
Resolution No. 14-0827-4

**[PROPOSED] RESOLUTION OF THE ENERGY COMMISSION
APPROVING REVISIONS TO THE 2013 PUBLIC DOMAIN
NONRESIDENTIAL COMPLIANCE SOFTWARE
CBECC-COM VERSION 3**

WHEREAS, the Warren-Alquist State Energy Resources Conservation and Development Act, Public Resources Code sections 25000 et seq., 25402.1, subd. (b), requires the Energy Commission to, among other things, establish a process for certifying calculation methods for demonstrating compliance with its building energy efficiency standards; and

WHEREAS, on September 11, 2013, the Energy Commission approved the 2013 Public Domain California Building Energy Code Compliance – Nonresidential (CBECC-Com) software, version 1.0, for estimating energy consumed by nonresidential buildings under Public Resources Code section 25402.1, subdivision (a), and for demonstrating compliance with the performance- based nonresidential provisions of the 2013 Building Energy Efficiency Standards, California Code of Regulations, Title 24, Parts 1 and 6; and

WHEREAS, the Energy Commission subsequently approved revisions to CBECC-Com, and revoked approval of previous versions, under California Code of Regulations, Title 24, Part 1, Chapter 10, sections 10-109 and 10-110; and

WHEREAS, CBECC-Com has been further revised as reflected in Version 3 to incorporate a major change to the Compliance Manager, consisting of additional programming for heating, ventilating, and air-conditioning systems and process-related energy features, and

WHEREAS, as described in the CBECC-Com V3 Summary of Nonresidential ACM Tests presented to the Energy Commission along with this Resolution, staff of the Energy Commission has reviewed and tested CBECC-Com, Version 3, to ensure it meets the requirements, specifications, and criteria for building energy models set forth in the Nonresidential Alternative Calculation Method Approval Manual, CEC-400-2012-006-CMF-REV (April 2014);

THEREFORE, the Energy Commission approves CBECC-Com, Version 3, for estimating energy consumed by nonresidential buildings under Public Resources Code section 25402.1,

subdivision (a), and for demonstrating compliance with the performance-based nonresidential provisions of the 2013 Building Energy Efficiency Standards, California Code of Regulations, Title 24, Parts 1 and 6; and

THEREFORE, the Energy Commission rescinds its approval of previous versions of CBECC-Com for estimating energy consumed by nonresidential buildings under Public Resources Code section 25402.1, subdivision (a), and demonstrating performance compliance with the performance-based nonresidential provisions of the 2013 Standards for permit applications made on or after July 1, 2014; and

THEREFORE, pursuant to the 2013 Nonresidential Alternative Calculation Method Approval Manual, April 2014, CEC-400-2012-006-CMF-REV, sections 1.2.2 and 1.4, the Energy Commission rescinds its approval of the Alternative Calculation Method (also known as computer compliance program) IES- VE2013 Title-24 FP1, which incorporates the previous version of the CBECC-Com Compliance Manager for estimating energy consumed by nonresidential buildings under Public Resources Code section 25402.1, subdivision (a), and demonstrating compliance with the performance-based nonresidential provisions of the 2013 Standards for permit applications made on or after November 1, 2014; and

THEREFORE, the vendor of the Alternative Calculation Method identified above must integrate the CBECC-Com Version 3 Compliance Manager Software and provide the Commission with an updated copy of the software and user manual within 45 days, by Monday, October 13, 2014, under the 2013 Nonresidential Alternative Calculation Method Approval Manual, April 2014, CEC-400-2012-006-CMF-REV, section 1.2.2; and

THEREFORE, the Energy Commission directs the Executive Director to review and approve updates to the Alternative Calculation Method identified above that integrate the CBECC-Com Version 3 Compliance Manager software; and

THEREFORE, the Energy Commission directs the Executive Director to take, on behalf of the Energy Commission, all actions reasonably necessary to implement this resolution, including but not limited to:

- (a) posting information on obtaining CBECC-Com, Version 2, on the Energy Commission's publicly-accessible internet web site;
- (b) continuing to ensure CBECC-Com is maintained and revised as necessary to accurately estimate the energy use of nonresidential buildings and demonstrate compliance with the 2013 Building Energy Efficiency Standards for nonresidential buildings, including by
 - (i) correcting functional and analytical errors, and
 - (ii) incorporating software modules that address additional compliance options approved by the Energy Commission, and additional building systems, assemblies, and construction materials.
- (iii) rescinding approval of previous versions of CBECC-Com when updates are made, and
- (iv) rescinding approval of previously-approved versions of alternative calculation methods that do not include the most recent updates to CBECC-Com when updates are made to CBECC-Com, in accordance with the

criteria and procedures for public participation in section 1.4 of the 2013
Nonresidential Alternative Calculation Method Approval Manual.

Date: August 27, 2014

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly approved at a meeting of the California Energy Commission held on August 27, 2014.

AYE:

NAY:

ABSENT:

ABSTAIN:

Harriet Kallemeyn,
Secretariat